T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		work done Spot	
RHS			
		CC Drain DONE	

ಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

First & Final Bill

SBR No: 268/14-15
31/01/2015

BR No: 446/31-1-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work Improvements to roads, drains and covering Slabs at Chamundeshwari Layout 5th Main road ~~Left~~ Right Side in ward No-10, From ..... To 251129

Name of Contractor of nature of Agency K.R.I.D.L

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work code No;- 010-15-000004.						
	Agreement NO;	131/2014-15			Dt 17/11/2014		
	Work order NO; EE/BTP/KRIDL/W.O/131/2014-15, Dt 17/11/2014						
	Address of Agency;- #119, 11th Cross Road 3rd floor Poorva Park Road, Malleshwaram-560003.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m excavated surface leveled and sides neatly dressed. the disposed earth to be leveled neatly after breaking of clods etc.						
	RHS	1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	30.00	1.20	0.90	= 32.40 cum	
		1	8.00	1.20	0.90	= 8.64 cum	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	2) providing and laying in OPC cement @ 180 kgs Coarse aggregates @ 0.8 Concrete laid in layers foundation and Plinth,	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
neans in Hard soil involving an ds and an average lift upto 0.5m ed neatly dressed. the disposed breaking of clods etc.				
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	32.40 cum	
	1.20	0.90 =	8.64 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251130

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
					Total =	267.84 cum	
					=	266.76 cum	
		Qty limited to Tender					
		@ Rs 105.84				Rs 28234.00	
	2) Providing and laying in position Plain cement Concrete of mix 1:4:8 with OPC cement @ 180 kgs using 40mm and down size graded granite metal, Coarse aggregates @ 0.85 cum and fine aggregates @ 0.58 cum machine mixed Concrete laid in layers not exceeding 15cms thick well Compacted, in foundation and Plinth, including cost of all materials Labour						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	RHS	1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	30.00	1.00	0.15 =	4.50cum	
		1	8.00	1.00	0.15 =	1.20cum	
					Total =	37.20cum	
		Qty limited to Tender			=	37.05cum	
		@ Rs 4847.04				Rs 179583.00	

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
3)	providing and removing ... form work for vertical ... Pillasters, buttresses ... as per specifications. RHS

OK

Depth 6	Contents 7	Reference to last Measurement 8
0.15 =	4.50 cum	
0.15 =	4.5 cum	
0.15 =	4.50 cum	
0.15 =	4.50 cum	
0.15 =	4.50 cum	
0.15 =	4.50 cum	
0.15 =	4.50 cum	
0.15 =	4.50 cum	
0.15 =	1.20 cum	
Total =	37.20 cum	
=	37.05 cum	
	Rs	179583.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. ..... From..... To..... 251131

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3) providing and removing centering, shuttering, propping etc, and removal of form work for vertical surface such as walls at any thickness. including attached Pilasters, buttresses, plinth at any thickness including attached pilasters as per specifications. RHS	4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	
		4	30.00		0.60 =	72.00 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	30.00		0.60	= 72.00 Sqm	
		4	8.00		0.60	= 19.20 Sqm	
					Total	= 585.20 Sqm	
					Qty limited to Tender	= 592.80 Sqm	
			@ Rs 292.68				Rs 173501.00
	Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97						
4)	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kg/ with 20mm and down size graded granite metal coarse aggregates @ 0.8 78cum and fine aggregates in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall including attached pilasters, column piers abutment, pillars posts						

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Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	Bottom RHS	1
		1
		1
		1
		1
		1
		1
		1
		1
	Side wall	2
		2
		2

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	0.60 = 72.00 Sqm		
	0.60 = 19.20 Sqm		
	Total = 585.20 Sqm		
Tender	= 582.80 Sqm		
		Rs 173501.00	

ced cement concrete of design
with 20mm and down size
@ 0.878 cum and fine aggregates
or level for roof slabs,
m walls, wall including
and, pillars posts

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251132

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Bottom RHS	1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	30.00	1.00	0.15 =	4.50 cum	
		1	8.00	1.00	0.15 =	1.20 cum	
	Side wall	2	30.00	0.15	0.60 =	5.40 cum	
		2	30.00	0.15	0.65 =	5.85 cum	
		2	30.00	0.15	0.60 =	5.40 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.15	0.60 =	5.40cum	
		2	30.00	0.15	0.60 =	5.40cum	
		2	30.00	0.15	0.65 =	5.85cum	
		2	30.00	0.15	0.60 =	5.40cum	
		2	30.00	0.15	0.55 =	4.95cum	
		2	8.00	0.15	0.60 =	1.44 cum	
					Total =	82.29cum	
					Qty limited to Tender =	81.51 cum	
					@ RS 6065.28	RS 494381.00	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

5) Providing mild steel reinforcement for R.C.C. work including Straigtning Cutting bending hooking, placing in position lapping/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Qty vide Page no - 25 of this M.B no - 251	
	6) Providing granite slabs cement mortar (1:6) inclu RHS	

h	Contents 7	Reference to last Measurement 8
	0 = 5.40 Cum	
	0 = 5.40 Cum	
	S = 5.85 Cum	
	0 = 5.40 Cum	
	S = 4.95 Cum	
	0 = 1.44 Cum	
	tal = 82.29 Cum	26)))2d5
	r = 81.51 Cum	
	RS 494381.00	
	work including Statigutory	
	lapping/or welding	
	and anchoring to the	
	plete as per design.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251133

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide Page No - 251194 of this M.B No - 2512. @ RS 7975.80	Premeasurements =				65.24 Qtl RS 520102.00	
	6) Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc complete as per specification						
	RHS	1	30.00		0.90	= 27.00 Sqm	
		1	30.00		0.90	= 27.00 Sqm	
		1	30.00		0.90	= 27.00 Sqm	
		1	30.00		0.90	= 27.00 Sqm	
		1	30.00		0.90	= 27.00 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	8.00		0.90 =	7.20 Sqm	
					Total =	223.20 Sqm	
					Qty limited to Tender =	222.30 Sqm	
					@ Rs 642.60	Rs 142850.00	
	7) providing chamfering edges to Stone Slab 2.5cm wide as per Specifications. Only chamfered length shall be recorded) etc complete as per Specifications						
		413	3.00			= 1239.00	
					Qty limited to Tender =	1236.00 metre	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	8) providing two line dr etc complete as per
	9) Lead for Disposal of Mechanical means

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261

Assistant Executive Engin
Vidyaranyapura Sub Divis
BBMP, Bangalore-97

	Contents	Reference to last Measurement
	7	8
0 =	27.00 Sqm	
0 =	27.00 Sqm	
0 =	27.00 Sqm	
0 =	7.20 Sqm	
=	223.20 Sqm	
=	222.30 Sqm	
	Rs 142850.00	
	wide of per	
	be recorded) etc	
=	1239.00	
=	1236.00 metre	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251134

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@ Rs 32.40				Rs 40046.00	
	8) providing two line dressing to granite Stone slab / granite Stone masonary etc complete as per specifications qty vide Item no - 6					= 222.30 Sqm	
		@ Rs 851.04				Rs 189186.00	
	9) Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading etc						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty vide Item no-1				= 266.760 Cum	
		Qty limited to Tender @ RS 73.57				= 240.08 Cum	
						RS 17663.00	
	10) Sub Total					RS 1785546.00	
	11) Add 11% for KRIDL Charges					RS 196410.06	
	12) Add 1% for Third Party Inspection charges					RS 17855.46	
						Total RS 1998811.52	
	(Rupees Ninteen Lakhs Ninety Nine thousands Eight hundred Eleven and fifty two Paisa only)						

Jadhav
AE 31/1/2015

ant Executive Engineer
anyapura Sub Division
MP, Bangalore - 97

Serial No. .....
Name of Wo .....
Name of Contractor or Nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate;
	Certified tha
	materials

Contents 7	Reference to last Measurement 8
= 266.76 Cum	
= 240.08 Cum	
	RS 17663.00
	RS 1785546.00
	RS 19610.06
	RS 17855.46
Total RS	1999811.52
Eight hundred	198956=00
Jadhav AE 31/1/2015	

M. A. R. 57 (Rule 116)

Measurement Book

No. B

1981956=00

2750 62=00

1706,894=00

Serial No. .....

Name of Wo.....

Name of Contractor or Nature of Agency .....

Date of commencement of work .....

From ..... To .....

Date 1	Full description, etc., of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Certificate: Certified that the above work done Satisfactory and No materials issued from departmentay. Jadhav AE						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

ID - 39639
MS - 79278
FSD 118917
CW 19820
CSF 1982
ROY 1492
FSD 500
TOTAL 275062=00

251135